

THE JOURNAL OF HORTICULTURAL SCIENCE, VOL. 59, 1984

SUBJECT INDEX

- Abscisic acid, apple, fruit, 171
- Actinidia chinensis* see kiwifruit
- Aculus schlechtendali*, apple, 51
- Aeration, nutrient film technique, 439
- Apple, architecture, pruning, 313
 - aroma, storage, 515
 - cider, growth regulators, responses, 323
 - cotyledons, shoot formation, 295
 - cultivars, Cox's Orange Pippin, 63, 71, 161, 313, 337, 515
 - Golden Delicious, 165, 469, 493, 501
 - Granny Smith, 151
 - Jonathan, 171, 493
 - Lincoln Canopy, 141
 - M.M. 106, 287, 303
 - Phiriki, 469
 - Red Delicious, 295
 - Redchief Delicious, 487
 - disorders, calyx-end russetting, 501
 - Cox's disease, 71
 - dry weight, distribution, rootstocks, pruning, 487
 - firmness, storage, 515
 - flower, receptivity, 337
 - fruit, composition, herbicide effects, 63
 - composition, N fertilizer effects, 63
 - composition, phosphorus, 165
 - composition, sward treatment effects, 63
 - content, abscisic acid, 171
 - content, postharvest changes, 171
 - P content, factors affecting, 165
 - set, 337
 - set, chemicals affect, 161
 - storage, disorders, 171
 - growth, growth regulators affect, 323
 - growth response, grafting, manipulation, 23
 - irrigation, yield, quality, 493
 - leaf, conductance, 329
 - size, chemicals affect, 161
 - water potential, 329
 - nutrition, N, fruit composition, 63
 - pest control, *Aculus schlechtendali*, 51
 - planting, spacing, 165
 - pollen, function, effects gamma, laser rays, 57
 - transfer, 337
 - propagation, adventitious shoots, 295
 - cuttings, rooting, 131
 - rootstocks, tissue culture, 463
 - stoolbed management, 303
 - pruning, dry weight effects, 487
 - morphology, 313
 - quality, irrigation effects, 493
 - reproduction, factors affecting, 337
 - rootstocks, dry weight effects, 487
 - harvesting, 477
 - M.25, 463
 - M.26, 131
 - M.27, 477
 - MM.106, 477

- production, 477
 - propagation, 287
 - rooting, wounding, 131
- shoot, growth, 141
 - growth, chemicals affect, 161
 - removal, NAA, 303
- stoolbeds, harvesting methods, 477
- storage disorders, breakdown, 71
 - effects lime, gypsum, trace elements, 71
 - bitter pit, 71
- transpiration, factors affecting, 151
- yield, growth regulators affect, 323
 - irrigation effects, 493
- Astrophytum myriostigma*, propagation, 449
- Auxin-oxidase system, root development, cuttings, 453
- Avocado, cultivar, Pollock, 109
 - fruit, discoloration, 257
 - growth, irrigation, 109
 - mulching, 109
- Blackberry, cultivars, Dirksen Thornless, 183
 - cultivars, Smoothstem, 183
 - Thornless, 183
 - propagation, *in vitro*, 183
- Blackcurrant, cultivar, Baldwin, 387
 - micropropagation, 387
- Broccoli, head characteristics, planting arrangements, date, 79
 - new type, management, 79
 - plant density, yield, head characteristics, 79
 - sowing date, yield, head characteristics, 79
 - spacing, yield, head characteristics, 79
 - yield, planting arrangements, date, 79
- Buds, adventitious, cherry propagation, 359
- Cacti, propagation, *in vitro*, 449
- Carrot, cultivars, Chantenay Red, 213
 - cultivars, Chantenay Red Cored Supreme, 411
 - Supreme, 403
 - cultivation methods, disorders, 529
 - disorders, cavity spot, 529
 - flowering, photoperiod, 213
 - seedling, emergence, fluid-drilling, 411
 - growth, 411
 - sowing, germinating seeds, 411
 - seedling emergence, 403
- Cauliflower, buttoning, transplant size, 419
 - cultivar, All The Year Round-Lero, 419
 - establishment, compost blocks, 205
 - propagation, compost blocks, 205
 - transplant size, buttoning, 419
 - yield, compost blocks, 205
- Celery, establishment, compost blocks, 205
 - establishment, peat blocks, 87
 - propagation, compost blocks, 205
 - yield, compost blocks, 205
- Cherry, cultivars, Merton Bigarreau, 349
 - Merton Glory, 175
 - Stella, 349
 - Van, 175
 - flower bud production, 175
 - fruit, quality, pruning affects, 175
 - growth, old cherry soils, 349
 - growth response, grafting, manipulation, 23
 - inhibition, laterals, growth regulators, 35
 - propagation, rootstocks, tissue culture, 463
 - pruning, fruit quality effects, 175
 - growth effects, 175
 - yield effects, 175
 - replanting, fumigation, 349

- rootstock effects, 349
 - rootstock, Colt, 463
- Chestnut, propagation, adventitious buds, 359
- Citrus, disorders, rind spot, 575
 - fruit enlargement, summer girdling, 119
 - rind oils, composition, 575
- Cold hardiness, studies, equipment, 253
 - watercress, studies, 253
- Compost blocks, vegetables, yield, 205
- Controlled atmosphere storage, pear, 507
- Cotyledons, adventitious shoots, apple, 295
- Cuttings, fruit trees, 287
 - leafy, rooting, mist systems, 15
 - root development, enzyme activity, 453
 - wounding, rooting response, 131
- Daylength, flower initiation, strawberry, 187
 - fruit production, strawberry, 187
- Deutzia x lemoinei* var. *compacta*, propagation, 545
- Disorders, calyx-end russetting, apple, 501
 - cavity spot, carrot, 529
 - leaf-blotch, tayberry, 523
 - rind spot, citrus, 575
- Enzyme activity, sapodilla, fruit, 275
 - pistachio, root development, 453
 - avocado, fruit discoloration, 257
- Ethylene, absorbent, fruit storage, 563
- Flower bud, production, cherry, 175
- Flower, receptivity, apple, 337
- Flowering, carrot, photoperiod, 213
 - delay, growth regulators, plum, 377
- Fluid-drilling, carrot, seedling emergence, 403, 411
- Forcing, early, narcissus, storage treatments, 229
- Frost chamber, cold hardiness studies, 253
- Fruit, composition, mango, 283
 - composition, development, 265
 - sapodilla, 275
 - development, ripening, sapodilla, 275
 - maturation, pomegranate, 265
 - discoloration, avocado, 257
 - enzyme reactions, 257
 - enlargement, citrus, summer girdling, 119
 - enzyme activity, sapodilla, 275
 - quality, cherry, factors affecting, 175
 - cherry, rootstock affects, 175
 - set, tomato, review, 1
 - apple, 337
 - apple, chemicals affect, 161
- Fumigation, soil, cherry replanting, 349
- Fungicides, fruit set, apple, 161
 - leaf size, apple, 161
 - shoot growth, apple, 161
- Gamma rays, effects, apple pollen, 57
- Girdling, date, grapefruit, fruit size, 567
 - summer, fruit enlargement, citrus, 119
- Grafting treatments, growth, fruit plants, 23
- Grapefruit, cultivar, Marsh Seedless, 567
 - fruit, size, girdling date, 567
 - summer girdling, fruit enlargement, 119
- Grass, alleys, apple, fruit P content, 165
 - sward treatment, effect apple fruit composition, 63
- Growth, cherry, factors affecting, 175
 - cherry, pruning affects, 175
 - rootstock affects, 175

- ornamentals, lateral shoot control, 45
- responses, fruit plants, grafting, manipulation, 23
- shoot, patterns, apple, 141
- strawberry, daylength, 187
- Growth regulators, apple shoot reduction, 303
 - compounds, ABA, 35
 - daminozide, 323, 377
 - DNOC, 377
 - ethephon, 127, 377
 - GA, 241, 377
 - NAA, 303
 - paclobutrazol, 161, 323, 367
 - delay, flowering, plum, 377
 - fruit set, apple, 161
 - growth control, plum, 367
 - inhibition, laterals, cherry, 35
 - leaf size, apple, 161
 - ripening, orange, 127
 - shoot growth, apple, 161
 - vacuum infiltration, tulip, 241
- Gypsum, effects apple storage disorders, 71
- Harvest date, strawberry, shelf-life, 197
 - strawberry, storage, 197
- Harvesting, apple rootstocks, methods, 477
- Herbicides, apple, fruit P content, 165
 - affect apple fruit composition, 63
- Hydroponics, rose, 549
- In vitro* propagation, blackberry, 183
 - Deutzia*, 545
- Inhibition, laterals, cherry, growth regulators, 35
- Insecticides, *Bacillus thuringiensis*, 559
 - compounds, chlorpyrifos, 559
 - phorate, 559
 - fruit set, apple, 161
 - leaf size, apple, 161
 - short growth, apple, 161
- Irradiation effects, gamma, laser, apple pollen, 57
- Irrigation, avocado, mango, growth, 109
 - establishment, yield, vegetables, 431
- Kiwifruit, cultivars, Abbott, 563
 - cultivars, Bruno, 563
 - Dexter, 563
 - Elmswood, 563
 - storage, cool, 563
- Laser rays, effects, apple pollen, 57
- Lateral shoots, control, growth, ornamental trees, 45
 - lower, inhibition, cherry, growth regulators, 35
- Leaf, conductance, apple, 329
 - size, apple, chemicals affect, 161
 - water conductance, apple, 329
- Leek, cultivar, Winterreuzen, 431
 - establishment, compost blocks, 205
 - irrigation, 431
 - irrigation, establishment, yield, 431
 - propagation, compost blocks, 205
 - transplants, peat blocks, 431
 - yield, compost blocks, 205
 - irrigation, 431
- Lettuce, cultivar, Pennlake, 431
 - establishment, irrigation, 431
 - compost blocks, 205
 - irrigation, establishment, yield, 431
 - propagation, compost blocks, 205
 - seedling, establishment, paperpots, water supply, 95
 - transplants, peat blocks, 431

- yield, compost blocks, 205
 - irrigation, 431
- Light, propagation, blackcurrant, 387
 - raspberry cane architecture, 395
- Lime, affects apple storage disorders, 71
- Low oxygen storage, apple, aroma, firmness, 515
- Mammillaria carmenae*, propagation, 449
- Mammillaria prolifera*, propagation, 449
- Mango, cultivars, Dashehari, 283
 - cultivars, Julie, 109
 - fruit, composition, pectin, 283
 - growth, irrigation, 109
 - mulching, 109
- Manipulation treatments, growth, fruit plants, 23
- Meteorological factors, apple transpiration, 151
- Micropropagation, blackcurrant, 387
- Mist systems, compared, rooting, leafy cuttings, 15
 - open and polyethylene enclosed, compared, 15
- Mites, leaf and bud, tayberry, 523
- Mulching, avocado, mango, growth, 109
- Narcissus, storage, early forcing, 229
- Nitrogen, nutrition, apple fruit composition, 63
- Nursery, stock, pests, vine weevil larvae, 559
- Nutrient film technique, aeration, 439
 - tomatoes, 439
- Nutrition, N, apple, fruit composition, 63
- Onion, cultivars, Bola, 217
 - cultivars, Robusta, 217, 537
 - dry matter, storage, 217
 - growth environment, storage, 217
 - storage, growth environment, 217
 - prediction, 537
 - sprouting, 217
- Orange, cultivar, Mahaley, 127
 - ripening, growth regulators, 127
 - summer girdling, fruit enlargement, 119
- Ornamental trees, growth, lateral shoot control, 45
- Otiorynchus sulcatus*, 559
- Paperpots, lettuce seedling establishment, water supply, 95
- Parsnip, seed pruning, pre-germination, 101
- Pear, cultivar, Conference, 507
 - growth response, grafting, manipulation, 23
 - storage, controlled atmosphere, 507
- Peat blocks, celery establishment, 87
 - vegetable establishment, yield, 431
- Pectin, mango, fruit, composition, 283
- Pests, *Aculus schlechtendali*, apple, 51
 - vine weevil larvae, nursery stock, 559
- Pistachio, root development, cuttings, 453
 - root development, enzymes, 453
- Phosphorus content, apple, fruit, factors affecting, 165
- Photoperiodism, carrot, flowering, 213
- Phyllocoptes gracilis*, 523
- Plum, blossoming, delay, growth regulator, 377
 - cultivars, Grove's Late Victoria, 367
 - Laxton's Cropper, 367
 - Marjorie's Seedling, 367
 - Myrobalan B, 287
 - Victoria, 377
 - growth, growth regulators, 365
 - rootstocks, propagation, 287
- Pollen, compatibility, apple, irradiation effects, 57
 - transfer, apple, 337

- Pollination, apple, effects of gamma, laser rays, 57
 - tomato, review, 1
- Pomegranate, fruit development, maturation, 265
- Polyphenol-oxidase, root development, cuttings, 453
- Pre-germination, seeds, parsnip, 101
- Priming, seeds, parsnip, 101
- Propagation, adventitious buds, cherry, 359
 - blackcurrant, light effect, 387
 - cotyledon shoots, apple, 295
 - cuttings, apple, 131
 - fruit trees, 287
 - fruit trees, growth, grafting, manipulation treatments, 23
 - in vitro*, blackberry, 183
 - cacti, 449
 - cherry, 359
 - Deutzia x lemoinei* var. *compacta*, 545
 - leafy cuttings, mist systems, 15
 - mist systems compared, 15
 - pistachio, roots, enzyme activity, 453
 - tissue culture, apple, cherry, 463, 469
 - vegetables, compost blocks, 205
- Pruning, fruit quality, cherry, 175
 - growth, cherry, 175
 - response, apple, 313
 - tea, root and shoot responses, 581
 - yield, cherry, 175
- Quince, cultivars, Quince A, 287
 - rootstocks, propagation, 287
- Raspberry, cane architecture, light effects, 395
 - cultivar, Malling Delight, 395
 - management systems, 395
- Review article: tomato pollination, fruit set, 1
- Ripening, orange, growth regulators, 127
- Root, influence, shoot development, tea, 581
- Root-zone, warming, rose, 549
- Rooting, leaf cuttings, mist systems, 15
- Rootstock, cherry, replanting, 349
 - effects, fruit quality, cherry, 175
 - effects, growth, cherry, 175
 - effects, yield, cherry, 175
 - rooting, wounding, apple, 131
 - tea, development, 589
- Rose, cultivars, Ilona, 549
 - cultivars, Mercedes, 549
 - Sonia, 549
 - growing, hydroponics, 549
 - quality, root warming effect, 549
 - yield, root warming effect, 549
- Sapodilla, cultivars, Cricket Ball, 275
 - cultivars, Oblong, 175
 - fruit, composition, 275
 - development, ripening, 275
 - enzyme activity, 275
- Seed, priming, pre-germination, parsnips, 101
- Seedling emergence, carrot, 403, 411
- Shelf-life, storage, strawberry, 197
- Shoot, growth, apple, 141
 - growth, apple, chemicals affect, 161
- Soil factors, apple transpiration, 151
- Spacing, apple, fruit P content, 165
- Storage, disorders, apple, 171
 - kiwifruit, cool, 563
 - onions, growth environment affects, 217
 - long-term, onion, 537
 - low oxygen, apple, 515

- narcissus, early forcing, 229
- pear, controlled atmosphere, 507
- shelf-life, CO₂, strawberry, 197
- strawberry, harvest date, 197
- Strawberry, cultivar, Cambridge Favourite, 187, 197
 - flower, initiation, daylength, 187
 - initiation, temperature, 187
 - fruit production, daylength, 187
 - growth, daylength, 187
 - growth, temperature, 187
 - outdoor conditions, Scotland, 187
 - shelf-life, storage conditions, 197
 - storage, CO₂, 197
 - harvest date, 197
- Tayberry, diseases, virus, 523
 - disorders, leaf-blotch, 523
 - pests, *Phyllocoptes gracilis*, 523
- Tea, development, rootstock effects, 589
 - pruning, root and shoot responses, 581
 - rootstocks, branch number, 589
 - stem circumference, 589
 - shoot development, root effects, 581
 - yield, components, 589
- Temperature, flower, initiation, strawberry, 187
 - fruit, production, strawberry, 187
 - growth, strawberry, 187
- Tissue culture, apple, 463, 469
 - cherry, rootstocks, 463
- Tomato, cultivar, Sonatine, 439
 - fruit set, review, 1
 - nutrient film technique, 439
 - pollination, review, 1
- Trace elements, affect apple storage disorders, 71
- Transpiration, apple, factors affecting, 151
- Tulip, glasshouse period, GA treatment, 241
 - growth regulator, treatment, 241
- Vegetables, establishment, yield, compost blocks, 205
- Virus diseases, tayberry, 523
- Water supply, lettuce establishment in paperpots, 95
- Watercress, cold hardiness, studies, 253
- Yield, cherry, factors affecting, 175
 - cherry, pruning affects, 175
 - rootstock affects, 175
 - vegetables, compost blocks, 205

AUTHOR INDEX

- Abbas, M. F., 127
 Akehurst, J. M., 79
 Al Barazi, Z., 453
 Al-Taha, H. A., 127
 Andrews, D. J., 79
 Arnold, G., 323
 Assaf, R., 493
 Atherton, J. G., 213

 Babić, V., 183
 Bailey, W. McC., 563
 Basher, E. A., 213
 Beukes, D. J., 151
 Blackshaw, R. P., 559
 Blackwell, P. S., 439
 Bower, J. P., 257
 Brain, P., 337
 Bravdo, B., 493
 Brewster, J. L., 213
 Brocklehurst, P. A., 101
 Browne, K. M., 197

 Chrimes, J. R., 439
 Church, R. M., 161, 377
 Clare, R. G., 253
 Cohen, A., 119, 567
 Copas, E., 161, 323
 Cox, E. F., 95, 205, 431
 Cumming, I. G., 329

 Dan, H., 529
 Davey, C. D. M., 253
 Dearman, J., 101
 Dennis, C., 197

 Easterbrook, M. A., 51

 Fainberstein, L., 265
 Fellows, J. R., 419
 Finch-Savage, W. E., 87, 403, 411
 Flegmann, A. W., 387
 Flook, V. A., 337

 Gayner, J. A., 463
 Geeson, J. D., 197
 Giugni, J., 563
 Gordon, S. C., 523
 Grange, R. I., 15
 Gray, D., 101
 Gregoriou, C., 109

 Hanks, G. R., 229, 241
 Harney, P. M., 545
 Harrison-Murray, R. S., 131

 Hauptmann, R., 295
 Hildebrandt, V., 545
 Howard, B. H., 23, 35, 131, 303, 477

 Jackson, D. I., 141
 Jackson, M. B., 439
 Jacobsohn, R., 529
 Jára, Z., 449
 Jassim, A. M., 127
 Jennings, D. L., 523
 Jones, A. T., 523
 Jones, H. G., 329
 Jones, O. P., 463
 Jones, S. K., 241

 Kaini, B. R., 141
 Kalra, S. K., 283
 Kandiah, S., 581
 Kayange, C. W., 589
 Kelman, Y., 529
 Kim, Y.-K., 23, 35
 Korban, S. S., 295
 Kouider, M., 295
 Kusunose, H., 575

 Lavee, S., 265
 Levin, I., 493
 Llewelyn, F. W. M., 313
 Loach, K., 15
 Lune, P. Van, 71

 Mackenzie, K. A. D., 131
 Manabe, T., 575
 Marcucci, M. C., 57
 Morini, S., 287
 Morris, G. E. L., 217
 Moss, G. I., 549

 Nesković, M., 183
 Nyirenda, H. E., 589

 Oonishi, S., 575

 Pakenham, E. M., 45
 Pal, D. K., 275
 Perring, M. A., 63, 165
 Picken, A. J. F., 1
 Porter, J. R., 313
 Pryke, J. A., 469

 Quinlan, J. D., 23, 35, 45, 367

 Ragazzini, D., 57
 Raj Kumar, D., 109
 Rees, A. R., 229
 Robinson, L. W., 253

 Rothwell, S. D., 253
 Rowe, R. N., 141
 Rubos, C., 469
 Rutherford, P. P., 537

 Salter, P. J., 79
 San Jose, M. C., 359
 Sansavini, S., 57
 Sawamura, M., 575
 Schwabe, W. W., 453
 Scott, K. J., 563
 Scriven, F. M., 171
 Selvaraj, Y., 275
 Shepherd, U. M., 175
 Shulman, Y., 265
 Sims, T. V., 439
 Skirvin, R. M., 295
 Smith, S. M., 515
 Steckel, J. R. A., 101
 Steenkamp, J., 501
 Stinchcombe, G. R., 323
 Stow, J., 507

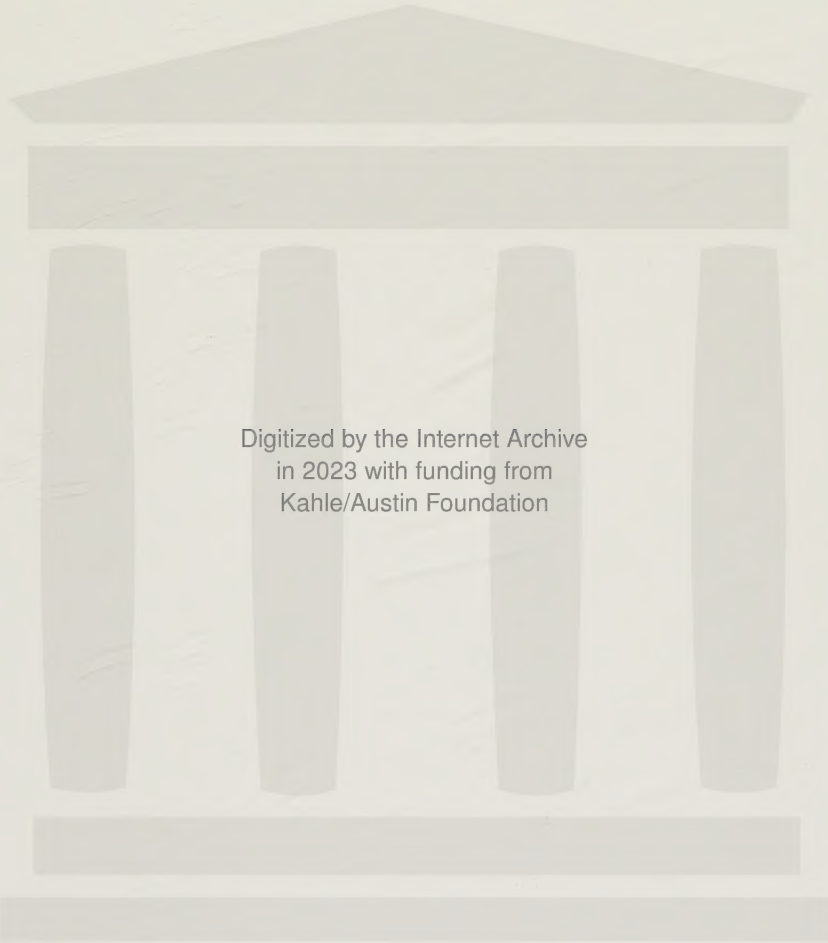
 Tandon, D. K., 283
 Tucker, W. G., 217

 Van Lelyveld, L. J., 257
 Van Zyl, H. J., 501
 Vasek, J., 477
 Vieitez, A. M., 359
 Vieitez, E., 359
 Vyskot, B., 449

 Wadasinghe, G., 581
 Wahdan, H. A., 187
 Wainwright, H., 387
 Waister, P. D., 187, 395
 Watkins, R., 463
 Webster, A. D., 175, 349, 367, 377
 Werner, D. J., 487
 Westraad, I., 501
 Wettasinghe, D. T., 581
 Whittle, R., 537
 Widholm, J. M., 295
 Williams, R. R., 161, 323, 337
 Wills, R. B. H., 171
 Wright, C. J., 395
 Wurr, D. C. E., 419

 Yasuoka, K., 575
 Young, E., 487

 Zutra, D., 529



Digitized by the Internet Archive
in 2023 with funding from
Kahle/Austin Foundation

